

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO SOUTHWEST QUARRY & MATERIALS, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

limestone in the state of Missouri. The extent of the


Proposed mining operation(s) will be on 23 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Phelps	21	37N	08W	23	0	23	Site #1	0420

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

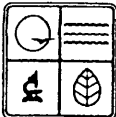
IN WITNESS WHEREOF I have hereunto set my hand this 7th day of April 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0358
Effective Date 04/07/2004
Expiration Date 04/01/2005

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Southwest Quarry & Materials, Inc.		DATE March 23, 04	
ADDRESS 13073 State Rt. CC	CITY Rolla	STATE MO	ZIP CODE 65401
CONTACT PERSON Chester McDowell		TELEPHONE NUMBER 573-364-3779	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Southwest Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE **300.00**

2. Acreage Fee \$5 X **20** number of acres bonded \$ **100.00**

3. Annual Permit Fee..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3)..... \$ **900.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee..... \$ 300

SIGNATURE OF APPLICANT **Chester McDowell** TITLE **Vice-President** DATE **March 23, 04**

Appeared before me this **23** day of **March**, 20 **04**, **Chester McDowell**
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEMENT SEAL	STATE OF Missouri	COUNTY (OR CITY OF ST. LOUIS) Phelps
	SUBSCRIBED AND SWORN BEFORE ME, THIS 23 DAY OF March YEAR 2004	
	NOTARY PUBLIC SIGNATURE Rachel Eyrtel	MY COMMISSION EXPIRES July 4, 2006
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Rachel Eyrtel	

RACHEL EYRTEL
NOTARY PUBLIC STATE OF MISSOURI
PHELPS COUNTY
MY COMMISSION EXP. JULY 4, 2006

FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED 4-5-04	PERMIT NUMBER 0358	EXPIRATION DATE 4-1-05
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Southwest Quarry & Materials, Inc</i>		PERMIT NUMBER <i>358</i>	
COMPANY NAME <i>Southwest Quarry & Materials, Inc</i>			
COUNTY <i>Phelps</i>	1/4 SECTION <i>NE/NE</i>	SECTION <i>21</i>	
TOWNSHIP <i>37N</i>	RANGE <i>8W</i>	ACRES <i>60</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>—</i>			
MINERAL COMMODITY <i>Limestone</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>75000</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Alice McDowell</i>		
ADDRESS <i>13073 State RT. CC</i>		
CITY <i>Rolla</i>	STATE <i>MO</i>	ZIP CODE <i>65401</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>NA</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Alice McDowell</i>		
ADDRESS <i>13073 State RT. CC</i>		
CITY <i>Rolla</i>	STATE <i>MO</i>	ZIP CODE <i>65401</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>1954</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF CONSERVATION
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE:

COMPANY NAME Southwest Quarry & Material, Inc.

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

15 Acres woods
25 Acres Field 20% slope
we are moving farther into or farm
and away from other land owners.

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RECLAMATION COMMISSION

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RECLAMATION COMMISSION

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3" ~~5"~~ INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Digger & Scraper. Also use a 220 EXCAVATOR
we try to keep Topsoil back 100' and
Sub soil back 20' to 50'

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

(Stockpile) Topsoil will be placed with
Topsoil from old Quarry
It will have Fescue on it.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

*Stockpiled***RECEIVED**

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MISSOURI LAND
RECLAMATION COMMISSION**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

*None***D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

see maps

YES NO

☐

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

None at This Time

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MISSOURI LAND
RECLAMATION COMMISSIONFescue, Orchard and Clover will be used
as a mix for seeding

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	20 lb.		
Orchard	15 lb.		
Clover	3 lb.		

REVEGETATION MIX #2

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Fertilizer Truck

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Plan to make lake, when done
3:1 slopes or less around lake edges

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RECLAMATION COMMISSION

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MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

GRADING

Depends on how fast we sell the rock
all grading will be done so I can use all
The land for farming

REPLACEMENT OF TOPSOIL

All work will be done within 12 months
after mining is complete,
Same as above

REVEGETATION

Every thing will be done within 24
months
Same as above

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

2'-4"

D. USE OF LAND WHEN RECLAIMED

ESTIMATED ACRES:

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

5 acres

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

55 acres

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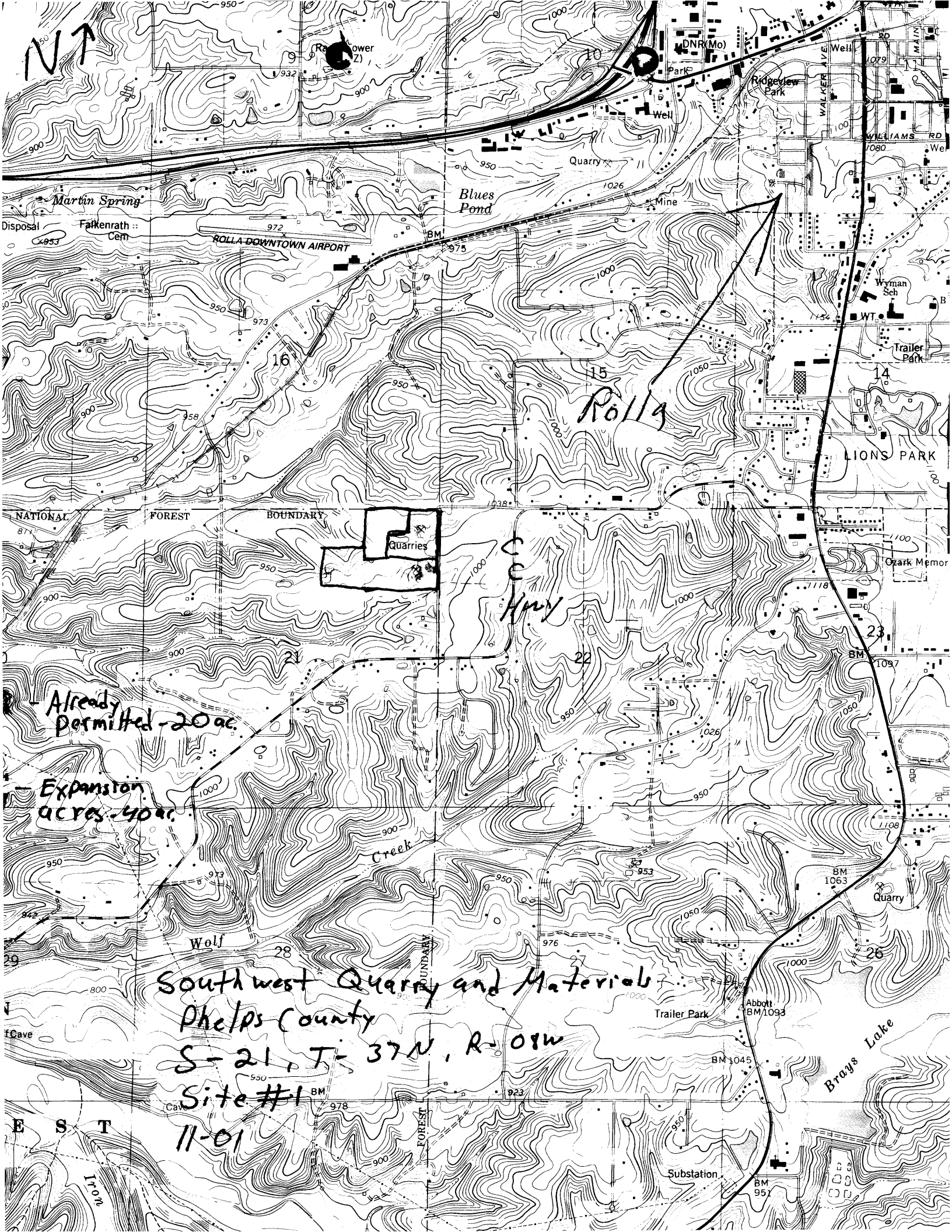
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By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Chester M. Dowell</i>		TITLE <i>V.P.</i>	DATE <i>11-5-01</i>
NOTARY PUBLIC EMBOSSEER SEAL Barbara Kay Brown Notary Public-Notary Seal State of Missouri Dent County My Commission Expires 02/26/04	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Dent Salem</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>5</i> DAY OF <i>NOV</i> <i>19 2001</i>		USE RUBBER STAMP IN CLEAR AREA BELOW BARBARA KAY BROWN NOTARY PUBLIC STATE OF MISSOURI DENT COUNTY MY COMMISSION EXP. FEB. 26, 2004
	NOTARY PUBLIC SIGNATURE <i>Barbara Kay Brown</i>	MY COMMISSION EXPIRES <i>2-26-04</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Barbara Kay Brown</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Tim [Signature]</i>		DATE APPROVED <i>3-2-02</i>	PERMIT NUMBER <i>0358</i>



N ↑

Rolla Tower

DNR (Mo)

Ridgeview Park

Martin Spring

Blues Pond

ROLLA DOWNTOWN AIRPORT

Rolla

LIONS PARK

NATIONAL FOREST BOUNDARY

Quarries

C. Hwy

Already permitted - 20 ac.

Expansion acres - 40 ac.

Southwest Quarry and Materials
Phelps County

S-21, T-37N, R-08W

Site #1

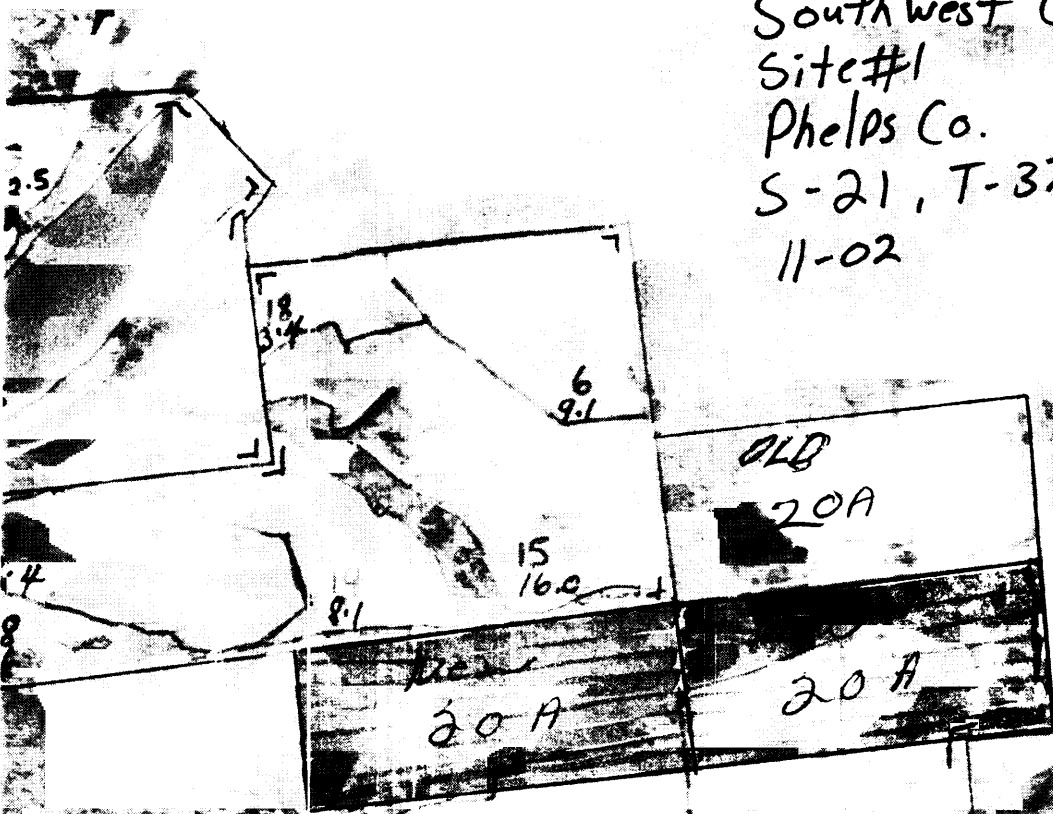
11-01

E S T

Brays Lake

Southwest Quarry and Materials
 Site #1
 Phelps Co.
 S-21, T-37N, R-08W
 11-02

Note: Area to
 be reclaimed to a
 water impoundment
 and pasture.



- Previous
 Permitted
 area - 20 ac.

- Expansion
 acres - 20 ac.



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MISSOURI LAND
RECLAMATION COMMISSION

North
↗

X X X X X X X
X X X X X X X
X X X 40 X X X X
X X X X X X X
X X X X X X X
X X X X X X X
X X X X X X X
X X X X X X X

3 New acres

Cluster
in this
Area

20
old acres

Spoil
Stockpile
And
Black
Dirt

Per mitted
Area now

Quarry
Site
(pre land)

old

Shop

Scales

East

1/4 mile to
CC Hwy

PHOTO

COUNTY

PHILIPS

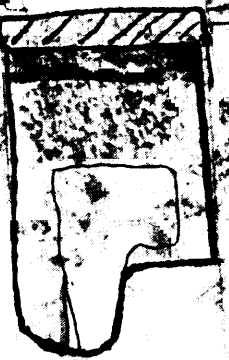
NOT TO SCALE

N ↑

Southwest Quarry S-21 T-37N

Road into Quarry

ICC Hwy.



33.4

4

102

349

C-1107

C-1107

C-1070

C-1179

C-1178

- Acres added, year
2001



- Long-term mine plan

- permitted acreage

- Added acreage for year 2000

Map prepared

8-2-00

by T Thain and

C. McDowell/Southwest
Quarry Mats.

Scale:

1" = 750'